

FIG. 4

STRUCTURE OF MASTER FILE

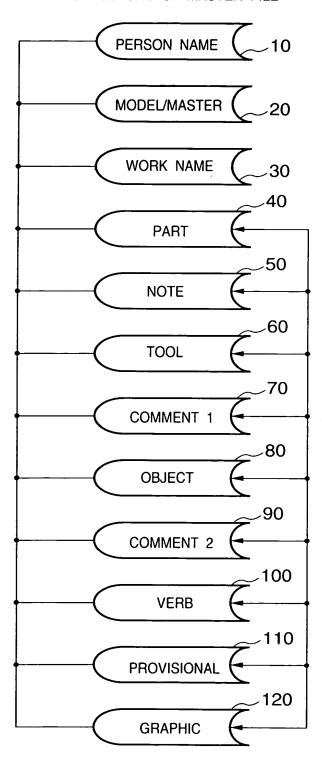
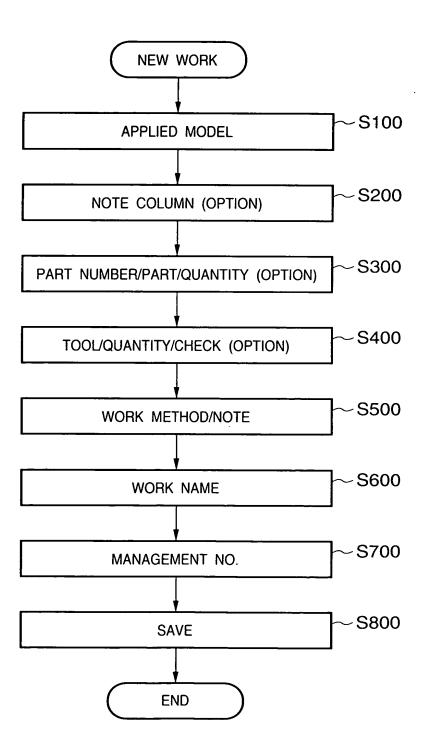


FIG. 5



SELECTION OF APPLIED MODEL
LIST OF APPLIED MODELS
BJC-4200 SYSTEM
BJC-420J
BJC-420J (BLACK)
BJC-4300
BJC-430J
BJC-4200LX
A250 II Q
BJC-4200
OK CANCEL

F | G. 7

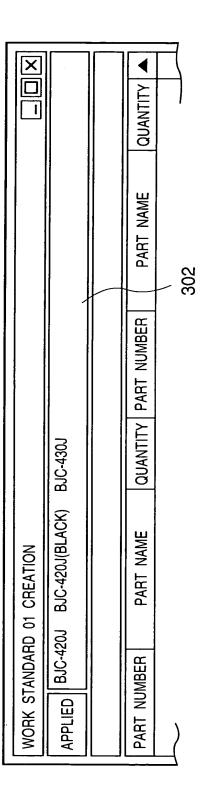


FIG. 8

PART NUMBER	PART NAME	OLIANITITY	PART NUMBER
FANT NOWIDEN	FANT NAIVIE	QUANTITY	PANT NUMBER
	PART		
000 - 0000 - 001	PART 001		<b>A</b>
000 - 0000 - 002	PART 002		
000 - 0000 - 003	PART 003		
001 - 0000 - 001	PART 101		
001 - 0000 - 002	PART 102		
111 - 1111 - 001	PART 001		
A01 - 1234 - 001	TEST PART 0001		▼

•	WORK	NAME
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GE \_\_\_

CANDIDATES

原稿(GENKO)ガラス保護紙セット(SET ORIGINAL GLASS PROTECTIVE SHEET)

現像(GENZOU)レール戻しバネ掛け(HOOK DEVELOPING RAIL RETURN SPRING)

現像(GENZOU)レール戻しバネ掛け(後)(HOOK DEVELOPING RAIL RETURN SPRING(AFTER))

原稿(GENKOU)台ガラスセット(SET ORIGINAL GLASS TABLE)

原稿(GENKOU)台保護紙セット(SET ORIGINAL TABLE PROTECTIVE SHEET)

現像機(GENZOUKI)トナーなしチェック(CHECK NO TONER IN DEVELOPER)

現像機(GENZOUKI)エラーチェック(CHECK ERROR IN DEVELOPER)

現像機(GENZOUKI)ロック(LOCK DEVELOPER)

WORK NAME

現像(GENZOU) \_\_\_

CANDIDATES

現像(GENZOU)レール戻しバネ掛け(HOOK DEVELOPING RAIL RETURN SPRING)

現像(GENZOU)レール戻しバネ掛け(後)(HOOK DEVELOPING RAIL RETURN SPRING(AFTER))

現像機(GENZOUKI)トナーなしチェック(CHECK NO TONER IN DEVELOPER)

現像機(GENZOUKI)エラーチェック(CHECK ERROR IN DEVELOPER)

現像機(GENZOUKI)ロック(LOCK DEVELOPER)

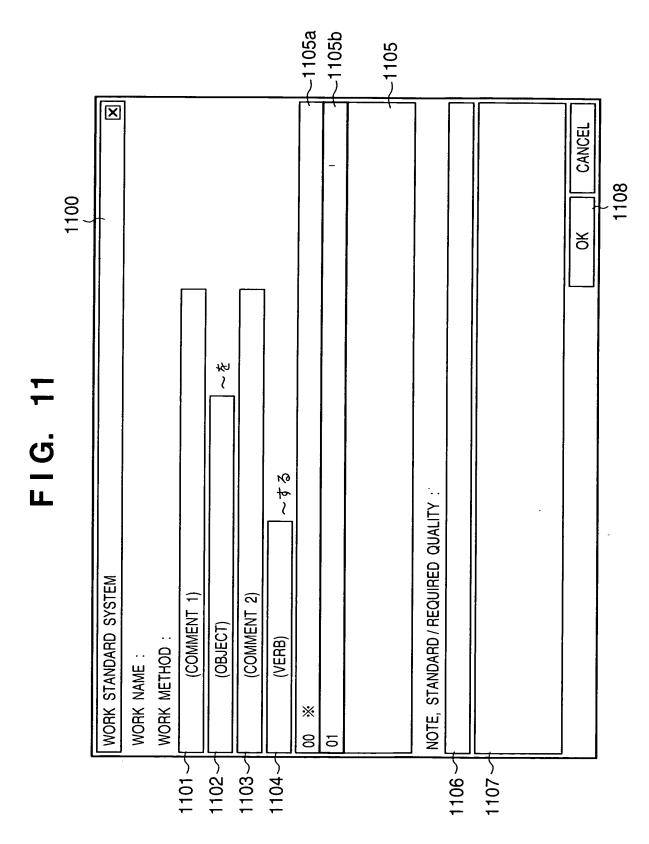
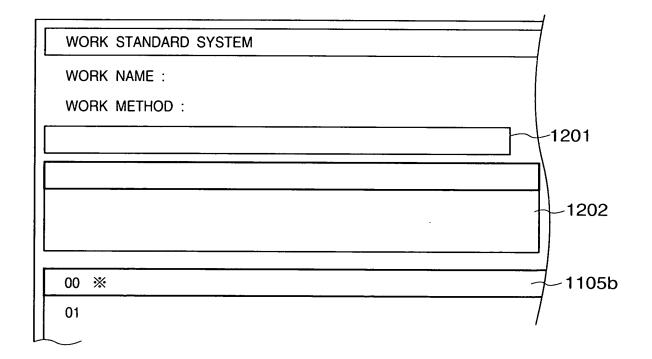


FIG. 12



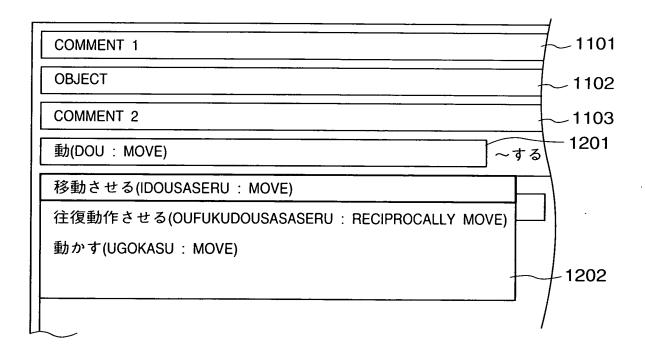
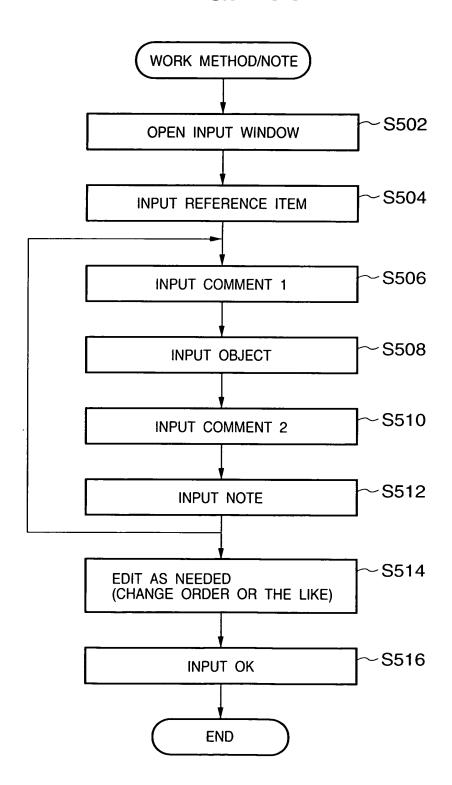
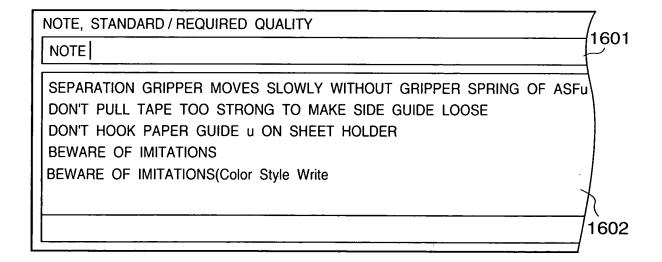


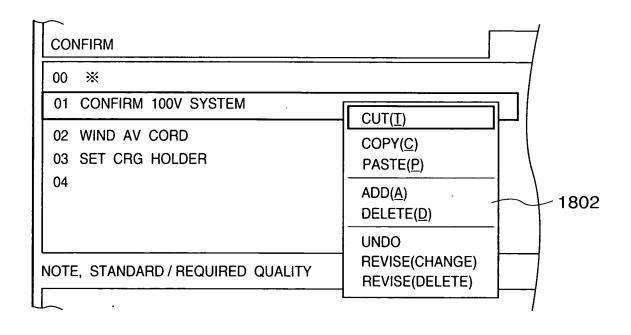
FIG. 14



00	*	
01	DO zzzz SUCH THAT xxxx AT wwww POSITION BECOMES yyyy	
02	WIND AV CORD	 !
03	CONFIRM 100V SYSTEM	
04	SET CRG HOLDER	

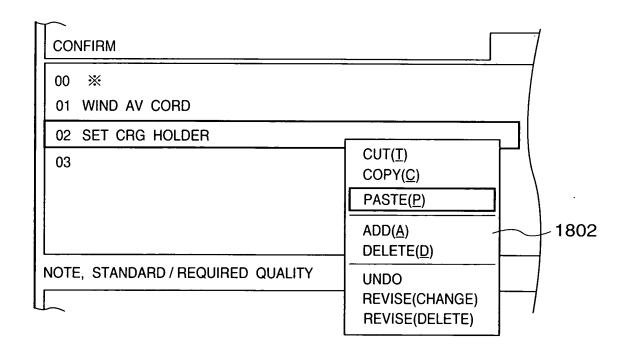


NOTE, STANDARD/REQUIRED QUALITY	7
1 NOTE	
	1107



CONFIRM	~する
00 % 01 WIND AV CORD	
02 CONFIRM 100V SYSTEM	
03 SET CRG HOLDER 04	
NOTE, STANDARD / REQUIRED QUALITY	

FIG. 20



WORK STANDARD	SYSTEM	A
WORK STANDARD	( <u>F</u> ) EDI	T(E) ILLUSTRATION(I) SHIPMENT DESTINATION
CREATE( <u>N</u> ) OPEN( <u>O</u> ) CLOSE( <u>C</u> ) CLOSE ALL	Ctrl + N Ctrl + O	DESTINATION
SAVE( <u>S</u> )	Ctrl + S	
SAVE REVISE( <u>A</u> )	Ctrl + A	
SAVE ALL		PART
DELETE( <u>D</u> )		
DELETE FROM LIS	ST	
PREVIEW( <u>V</u> )		
PRINT( <u>P</u> )	Ctrl + P	
PRINT FROM LIST		
END( <u>X</u> )		

FIG. 22

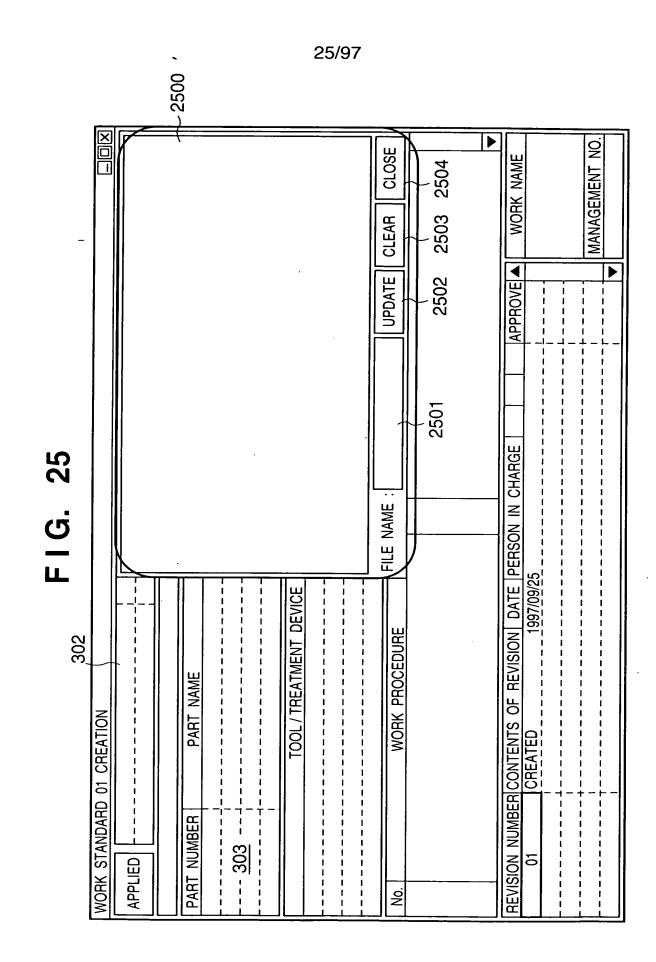
ı							
	WORK STANDARD	) SYSTEM	Л				
l	WORK STANDARD	( <u>F)</u> EDI	T( <u>E</u>	) ILL	USTF	RATION	<u>(1)</u>
	CREATE(N)	Ctrl + N	K			+	
	OPEN( <u>O</u> )	Ctrl + O					₹ .
l	CLOSE( <u>C</u> )						
	CLOSE ALL						=
	SAVE( <u>S</u> )	Ctrl + S					
l	SAVE REVISE(A)	Ctrl + A					=
	SAVE ALL						
ľ	DELETE( <u>D</u> )						
l	DELETE FROM LIS	ST .					
ľ	PREVIEW( <u>V</u> )		1				
l	PRINT( <u>P</u> )	Ctrl + P					- 1
l.	PRINT FROM LIST						
	END( <u>X</u> )						
			•				
U	Ц						'

FIG. 23

WORK STANDARD SYST	STEM				×
• LATEST REVISION	I NUMBER O ALL				
MANAGEMENT NO.	REVISION NUMBER	WORK NAME	DATE	DATE OF REGISTRATION	
SO - 04 - 01(4) - E	10	ASFu取付	·	1997/09/13	<b>4</b>
SO - 01 - 01(3) - E	10	ベース・トレー』取付		1997/09/01	
SO-01-03-E	10	ベース・トレーu取付		1997/09/01	
SO - 01 - 04 - E	10	ベース・トレーu取付		1997/09/01	$\exists$
					F
SO-06-01-E	10	線処理			
SO - 06 - 02 - E	10	線処理		1997/09/01	
SO - 06 - 03 - E	10	線処理		1997/09/01	
SO - 07 - 01(2) - E	10	レールグリス塗布		1997/09/01	
SO - 08 - 01 - E	01	レール取付		1997/09/01	<b></b>
			ð	CANCEL	,
					1
			2301		
			- 2004		

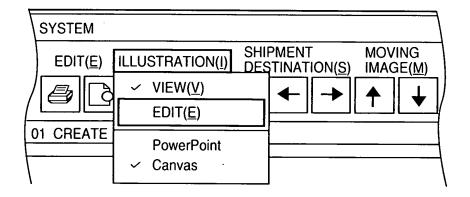
FIG. 24

SYSTEM				
EDIT( <u>E</u> )	ILLUSTRATION( <u>I</u> )	SHIP DEST	MENT [INATI	ON( <u>S)</u>
	VIEW( <u>V</u> )		<b>+</b>	<b>→</b>
01.005475	EDIT( <u>E</u> )			
01 CREATE	PowerPoint			
	✓ Canvas			
F				

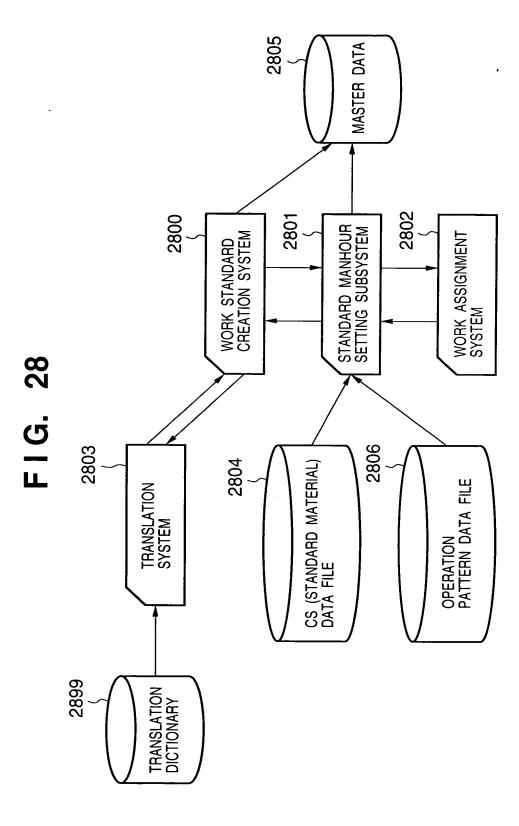


26/97

CLOSE XXXXXXXX CLEAR 2602 UPDATE XXX so - 08.winf 2601 FILE NAME : QUANTITY



28/97



WORK STANDARD : TRANSLATION SYSTEM (PROTOTYPE)	×
WORK STANDARD DATA	
O MASTER DATA	
UPLOAD WORK STANDARD	
DOWNLOAD WORK STANDARD	
TRANSLATE WORK STANDARD	
END	

~3000 X 3004 -DISPLAY LANGUAGE AUTOMATIC TRANSLATION CHECK CLOSE  $\times \times \times \times$ O JAPANESE ENGLISH TRANSLATE ALL  $\times \times \times$ 3003 O UNTRANSLATED O UNCHECKED 3005 -DISPLAY DATA-ALL **TRANSLATE** 3001 3002 3008 切換アームAssy組立 OTOTAL O UNIT 伝達ローラu取付 伝達ローラu取付 **WORK NAME** クリーナu取付 クリーナu取付 クリーナu取付 紙押え取付 VIEW PREPUCES NAME : | PLATEN UNIT 3007 REPRESENTATIVE MODEL NAME : | A252 REVISION NUMBER CANCEL SELECT TRANSLATION OF WORK STANDARD 2 2 2 2 2 2 2 MANAGEMENT NO. SELECT ALL PT - 010 - 010 PT - 100 - 010 PT - 010 - 020 PT - 010 - 030 PT - 080 - 010 PT - 090 - 010 PT - 070 - 030 3006

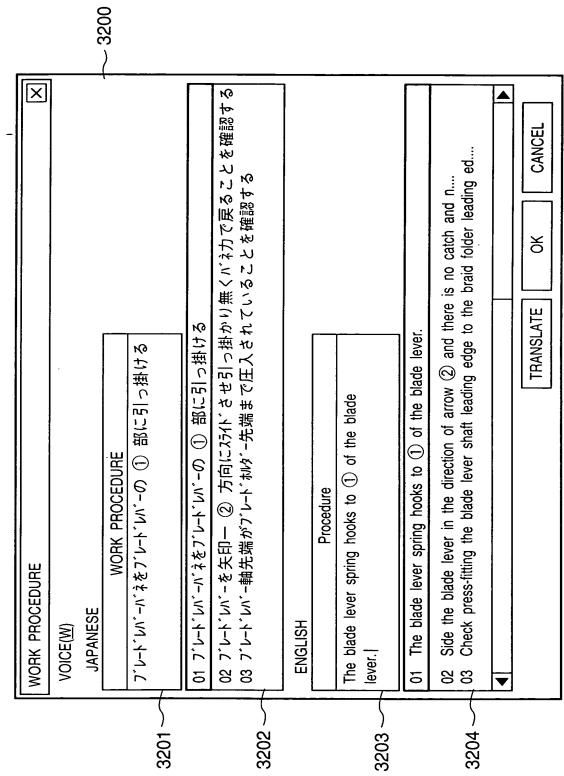
F1G. 31

				 			/97				_		-	
_0×		×	]	<b>4</b>	<b> </b>	]								
				Qty		PN		Precaution / Conditions	No Table Data 1	No Table Data 1	6	ıta 1		0
				Part Name		Qty		No. Precau	02 - 01 No Ta	03 - 01	Procedure	No Table Data	Page No.	PN-030-020
		UNIT				-			o catch	ing force. ever shaft leading edge to the braid folder leading edge.				
		A252 PUMP UNIT	 	Part No.					neck there is n	the braid folds	By OK			
YPE)	(I) VOICE(S) WINDOW(W)			Qt				Procedure	to (1) of the blade lever. rection of arrow (2) and check there is no catch	eading edge to	Data B			
THANSLATION OF WORK STANDARD (PROTOTYPE)	ILLUSTRATION(I) VOICE(S	WORK STANDARD PN-030-020 01 New crested by (PX2056)		Part Name		Total		Proc	The blade lever spring hooks to $\textcircled{1}$ of th Side the blade lever in the direction of a	and nor the return by the spring force. Check press-fitting the blade lever shaft k	uc	y_(P <u>x2</u> 056)		
ANSLATION OF W	WORK STANDARD(E) ILLUSTRATION	ORK STANDARD P	Model QG5-1319	Part No.				0.			Details	1 New Created by (PX2056)		
호	NO PO	×	ĭ ĕ					8	58 58	8		0		

3101-

TOWOTO, GOORNZOO

FIG. 32



F1G. 33

TRANSLATION OF WORK STANDARD (PROTOTYPE)	(PROTOTYPE)	
WORK STANDARD(E) ILLUSTRATION(!)	VOICE(S)	$(\overline{N})$ MO(
WORK STANDARD PN-030-020 01 Ne-		X2056) A252 PLATEN UNIT
Model QG5-1317	DRIVE( <u>D</u> )	
}		

SOUND-SOUND RECORDER	
$FILE(\underline{F})$ $EDIT(\underline{E})$ $EFFECT(\underline{S})$ $HELP(\underline{H})$	
POSITION 0.00SEC	TIME 60.00SEC
	•

35/97

FIG. 35 VOICE VOICE VOICE VOICE WORK PROCEDURE DATA WORK PROCEDURE DATA (ENGLISH) (JAPANESE) TRANSLATION SYSTEM WORK STANDARD SYSTEM WORK PROCEDURE DATA WORK PROCEDURE DATA (ENGLISH) (JAPANESE) VOICE VOICE VOICE VOICE

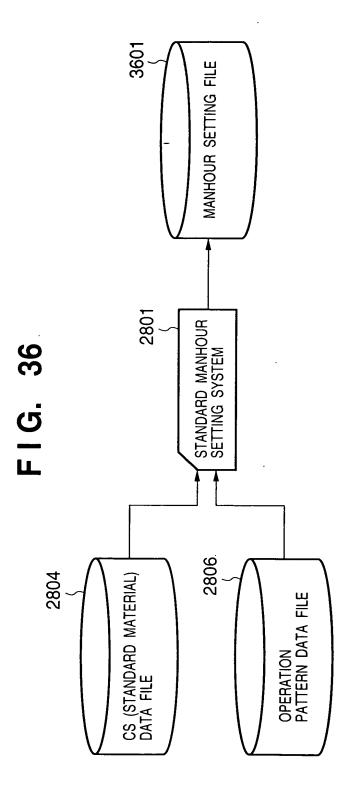


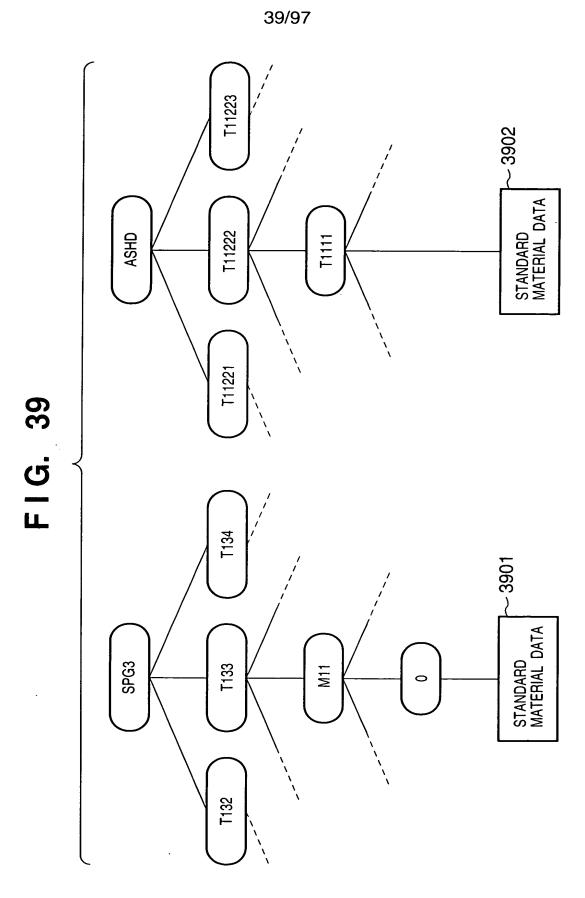
FIG. 37

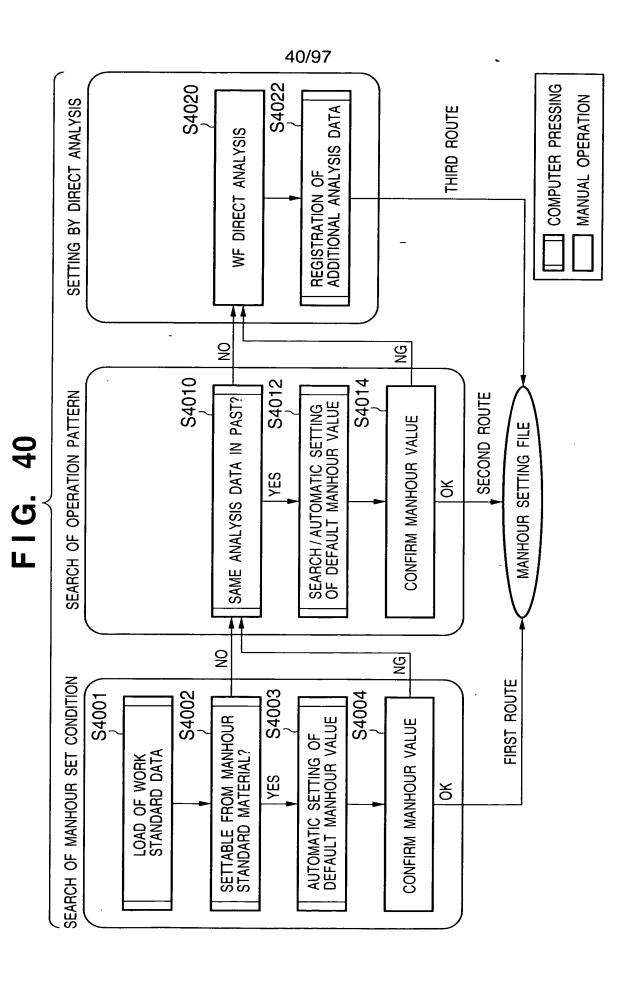
-				
SET CONDITION	S	MANHOUR	FREQUENCY MANHOUR	ELEMENT WORK NAME

F1G. 38

STANDARD MATERIAL DATA

	<del></del>		
SET CONDITION DATA			
VERB			
COMMENT 2			
OBJECT			
COMMENT 1			
	1 OBJECT COMMENT 2 VERB	1 OBJECT COMMENT 2 VERB	1 OBJECT COMMENT 2 VERB





## FIG. 41

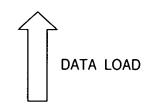
3601

EDITING OF ELEMENT WORK

FILE(F) EDIT(E) VIEW(V) ANALYZE(A) ANALYSIS MATERIAL(B) CS(S) END(X)

UNIT WORK NAME: SEPARATION ROLLER ATTACHMENT

	No.	ELEMENT WORK NAME	FREQU	JENCY	MANHOUR	CS	SET	CONDITION	
	1	負荷バネを負荷バネ取付治具に組込む (SET LOAD SPRING IN TREATMENT DEVICE FOR ATTACHING LOAD SPRING)	1	1 -					
	2	治具のSWをONにする (TURN ON SW OF TREATMENT DEVICE)	1	1					
	3	分離ロ−ラ軸を負荷バネ取付治具に取込む (SET SEPARATION ROLLER SHAFT IN TREATMENT DEVICE FOR ATTACHING LOAD SPRING)	1	1					
	4	治具のSWをOFFにする (TURN OFF SW OF TREAMENT DEVICE)	1	1					
	5	分離ロ−ラ軸を治具より外す (DETACH SEPARATION ROLLER SHAFT FROM TREAMENT DEVICE)	1	1 					
-	  			 		 	· ·		



#### • ELEMENT WORK NAME

No.	COMMENT 1	OBJECT	COMMENT 2	VERB	
1		負荷バネを	負荷バネ取付治具に	組込む	
2	治具の	SWを		ONする	
3		分離ローラ軸を	負荷バネ取付治具に	組込む	
4	治具の	SWを		OFFにする	
5		分離ローラ軸を	治具より	外す	

## FIG. 42

3601

EDITING OF ELEMENT WORK

FILE(F) EDIT(E) VIEW(V) ANALYZE(A) ANALYSIS MATERIAL(B) CS(S) END(X)

UNIT WORK NAME: SEPARATION ROLLER ATTACHMENT

No.	ELEMENT WORK NAME	FREQU	JENCY	MANHOUR	CS	SET CONDITION	
1	負荷バネを負荷バネ取付治具に組込む (SET LOAD SPRING IN TREATMENT DEVICE FOR ATTACHING LOAD SPRING)	1	1	41	SPG3	T133 / M11 / 0	
2	治具のSWをONにする (TURN ON SW OF TREATMENT DEVICE)	1	1	8			
3	分離ロ−ラ軸を負荷バネ取付治具に取込む (SET SEPARATION ROLLER SHAFT IN TREATMENT DEVICE FOR ATTACHING LOAD SPRING)	1	1	37	ASHD	T11222 / T1111	ļ
4	治具のSWをOFFにする (TURN OFF SW OF TREAMENT DEVICE)	1	1	8			
5	分離ロ−ラ軸を治具より外す (DETACH SEPARATION ROLLER SHAFT FROM TREAMENT DEVICE)	1	1	16	PUMB	T2111/T111111	
						1	

/MATCH

SEARCH KEYWORD(KW)

					V	
No.	COMMENT 1	OBJECT	COMMENT 2	VERB	MANHOUR STANDARD MATERIAL	TIME VALUE
1	*	*バネを	*(こ	組込む	SPG3 T133/M11/0	41RU
2	*	* &	*に	組込む	ASHED T11222/T1111	37RU
3	*	* &	*より	外す	PUMQ T2111/T111111	16RU
4	*	* Eリング を	*	組込む	RIN2 T11211/SO	76RU
5	*	*コネクタを	*	差し込む	CONN T11211/SO	41RU
6	*	*	*	増し締めする	SCR6 M211/1	23RU

# F I G. 43

3601

#### EDITING OF ELEMENT WORK

FILE(F) EDIT(E) VIEW(V) ANALYZE(A) ANALYSIS MATERIAL(B) CS(S) END(X)

UNIT WORK NAME: SEPARATION ROLLER ATTACHMENT

No.	ELEMENT WORK NAME	FREQ	JENCY	MANHOUR	CS	SET CONDITION	
1	負荷バネを負荷バネ取付治具に組込む (SET LOAD SPRING IN TREATMENT DEVICE FOR ATTACHING LOAD SPRING)	1	1	41	SPG3	T133/M11/0	
2	治具のSWをONにする (TURN ON SW OF TREATMENT DEVICE)	1	1	8		/GET:-50E/M:-10E	
3	分離ロ−ラ軸を負荷バネ取付治具に取込む (SET SEPARATION ROLLER SHAFT IN TREATMENT DEVICE FOR ATTACHING LOAD SPRING)	1	1	37	ASHD	T11222 / T1111	
4	治具のSWをOFFにする (TURN OFF SW OF TREAMENT DEVICE)	1	1	8		/GET:-50E/M:-10E	
5	分離ローラ軸を治具より外す (DETACH SEPARATION ROLLER SHAFT FROM TREAMENT DEVICE)	1	1	16	PUMB	T2111/T111111	
						1	

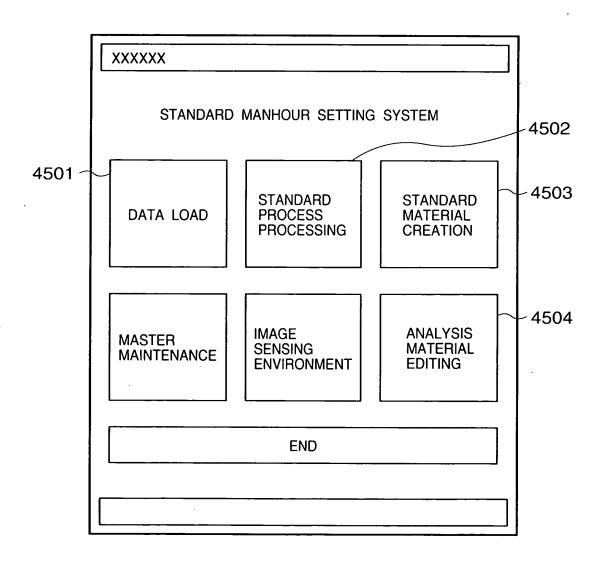
MATCH

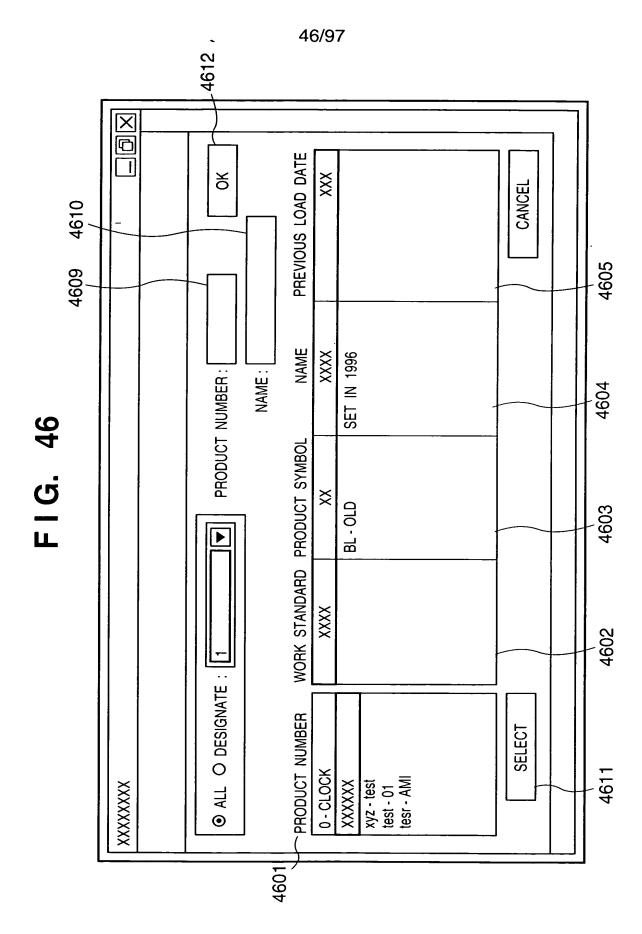
No.	COMMENT 1	OBJECT	COMMENT 2	VERB	VERB PATTERN	TIME VALUE
1	治具の	SWを		ONする	/GET:-50E/M:-10E	8RU
2	治具の	SWを		OFFする	/GET:-50E/M:-10E	8RU
3		読取操作部uを		閉める	/GET:-50E/M:-50E	10RU
4		CRGドアを	_	閉める	/GET:-50E/M:-50E	10RU
5		読取操作部uを		閉める	/GET:-50E/M:-50E	10RU
6		電源コート・を		抜く	/GET:-50EGr2/M:-10E	16RU
7		測定用電源コート・を		抜く	/GET:-50EGr2/M:-10E	16RU

3601

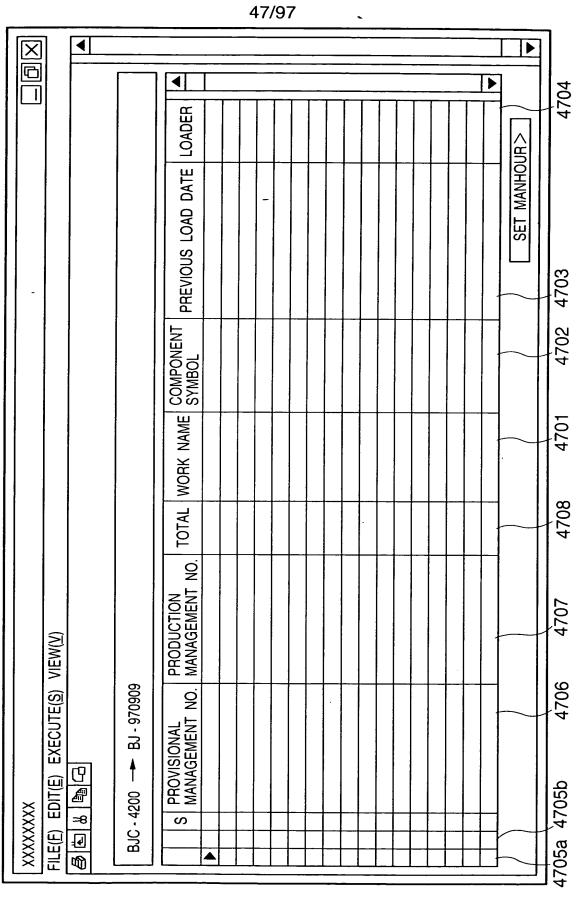
	EDITING OF ELEMENT WORK						×
립	FILE(F) EDIT(E) VIEW(V) ANALYZE(A) ANALYSIS MATERIAL(B) CS(S) END(X)	√					
<u>S</u>	UNIT WORK NAME : SEPARATION ROLLER ATTACHMENT						
2	ELEMENT WORK NAME	FREQU	NC√	FREQUENCY MANHOUR	SS	SET CONDITION	
-	負荷バネを負荷バネ取付治具に組込む(SET LOAD SPRING IN TREATMENT DEVICE FOR ATTACHING LOAD SPRING)	-	-	41	SPG3	SPG3 T133/M11/0	<u> </u>
2	治具のSWをONにする(TURN ON SW OF TREATMENT DEVICE)	     <del>-</del>	     —	ω   	 	/GET:-50E/M:-10E	
ო		 	-	37	ASHD	ASHD T11222/T1111	
4		     <del>-</del>	  -		!	/GET:-50E/M:-10E	
2	分離ロ-う軸を治具より外す(DETACH SEPARATION ROLLER SHAFT FROM TREAMENT DEVICE)	     -		16	PUMB	PUMB T2111/T111111	
!							
1		       	1	         	1		
		 	1				
			٠				

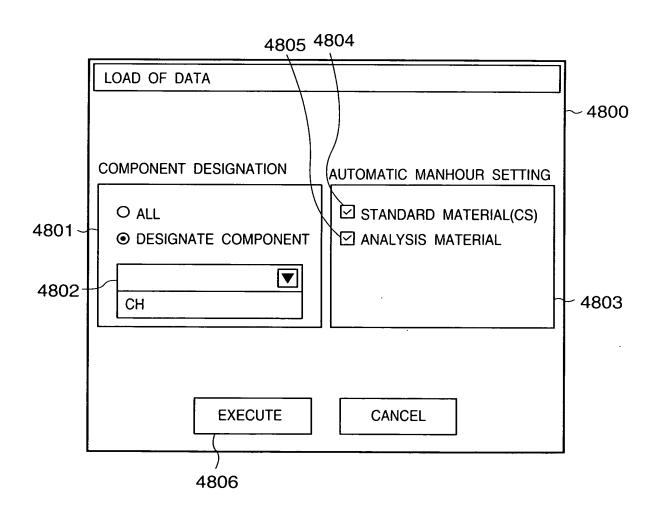
FIG. 45



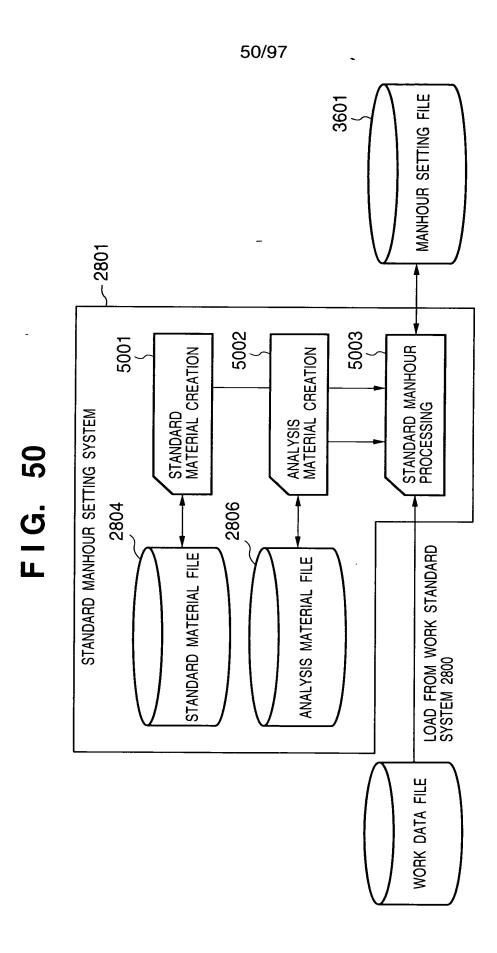


F1G. 47





COMPONENT 4 UPPER COMPONENT COMPONENT 3 FIG. 49 WORK GROUP COMPONENT 2 UPPER COMPONENT COMPONENT 1



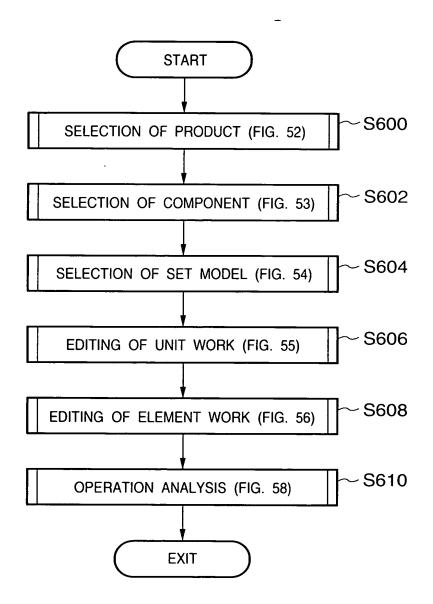
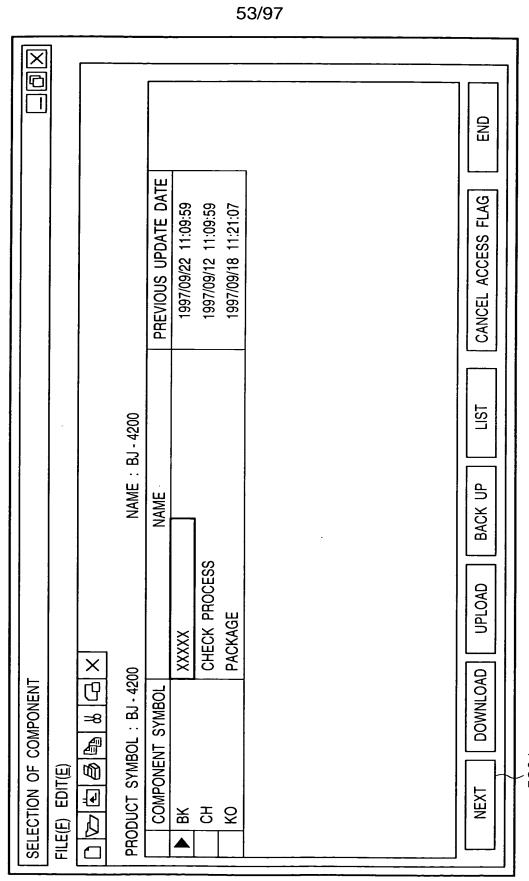


FIG. 52

SELECTION OF PRODUCT		
FILE(E) EDIT(E)		
	× D *	
PRODUCT SYMBOL	NAME	PREVIOUS UPDATE DATE
■ BJ - 970909	XXXXX	1997/09/22 10:17:30
BJ - STAND		1997/09/12 15:09:09
BJ - test	TEST 01 Standard	1997/09/18 10:38:14
BJ250	250 TESTS	1997/09/17 17:58:59
ST01	STAND PRODUCT	1997/09/12 16:02:34
STAND01		1997/09/19 15:46:04
		-
SET MANHOUR	EXTRACT DATA   CREATE HOST TRANSFER	ER ANALYZE DATA END
	Made and the second	

520

FIG. 53



5301

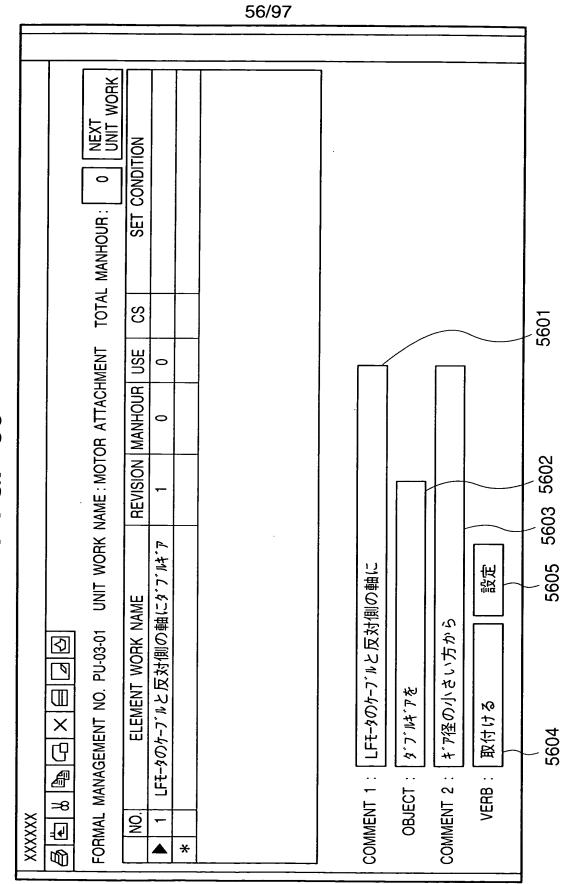
F1G. 54

NAME: 97 - 09 - 09 LOAD	
AME: 97-09-09 LOAD	
AME: 97 - 09 - 09 LOAD	
	PREVIOUS PUBLICATION DATE
.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
.	
. [	
.	)   1
XXXX	1997/09/09 10:46:33
	TY NAME

FIG. 55

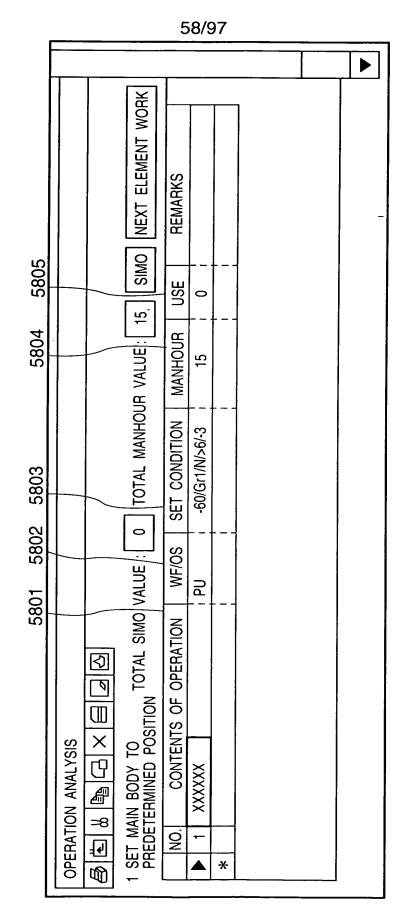
	 					55/	97	<u> </u>							 	 7
	097 - 09 - 09 LOAD SET MODEL SYMBOL: BJC - 4300 REVISION NUMBER DISPLAY	REVISION UNIT WORK NAME   MANHOUR   USE   CS   FREQUENCY	0	1 に 電気チェック 0 0 0 0 0 1 0 1 1	1 電気チェック 0 0 0 0 0 1 1	1 に 電気チェック 1 0 1 0 1 0 1 1	1   電気チェック   0   0   0   1		1 プロントカバーu取付 0 0 0 0 1	1   フロントカバーu取付   0   0   0   1	1 iフロントカバーu取付 0 1 0 1 0 1 1	1   フロントカバーu取付   0   0   0   1	UNIT WORK NAME \MANHOUR \USE FREQUENCY \1 2 3 4 5		O CHANGE O INSERT O ADD	
SELECTION OF MODEL FILE(E) EDIT(E) VIEW( <u>V</u> )	PRODUCT SYMBOL : BJ - 970909 NAME : COMPONENT SYMBOL : ON NAME :	S   FORMAL MANAGEMENT NO.	► N 3 1 CH-01-01	N, 4 , CH-01-02(1)	N; 5 ; CH-01-02(2)	Ni 6 i CH-01-03	N; 7 ; CH-01-04		N; 23; CH-07-02(1)	Ni 24 i CH-07-02(2)	Ni 25 i CH-07-01(3)	N, 26 i CH-07-01(4)	No. FORMAL MANAGEMENT NO.	3   CH-01-01		

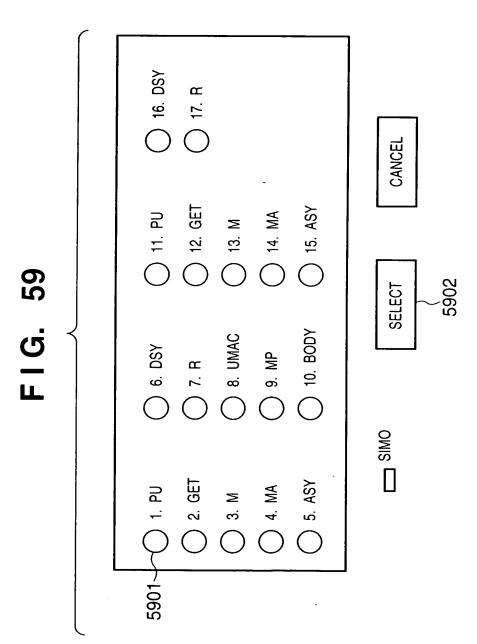
FIG. 56



1 1								
	j	:						
COMMENT 2	2	VERB	ANALYSIS SYMBOL   MANHOUR   USE   FREQUENCY	MANHOUR	USE	REQUEN	CY COUNT	SET DATE
矢印1の様に	נו	入れる	-50/Gr1/N/>6/-3	15	0	-	0	97/09/09 9:52
矢印1の様に	נו	入れる	-50/E/02/N/-6	11	0	1	0	97/09/09 9:53
矢印1の様に		入れる	-50/Gr1/N/>6/-3	15	0	1	0	97/09/09 9:55
		動詞	-50/Gr1/N/>6/-3	15	0	-	0	97/09/10 16:34
矢印1の様に		入れる	-50/Gr1/N/>6/-3	15	0	-	0	97/09/10 19:09
		8	Time100/Rate100	100	100	1	-	97/09/10 19:16
		入れ、セ까する	M211/1/10	90	-	1	-	97/09/11 17:00
		裏面にする	T1221/M2311/0/0	12	0	1	0	97/09/11 17:34
		-	T2221/M1211/0/1	24	0	1	0	97/09/11 17:20
		2	T1221/M2311/0/0	12	0	1	0	97/09/11 17:24
PRが1、取付る		セットする		15	0	1	0	97/09/12 11:24
		fdasfdasfasfad	*	16	0	1	0	97/09/12 12:10
		fdsafdaddfds	T21121/M1111/0/1	13	0		0	97/09/12 12:10
		fdasfdasfasfad	*	16	0	-	0	97/09/12 13:39
PRが イド取付る セットする		セットする		15	0	-	0	97/09/12 14:00
PRが1、取付る		セットする		15	0	-	0	97/09/12 14:00
	_	セットする	Time100/Rate100	100	100	1	0	97/09/12 14:04

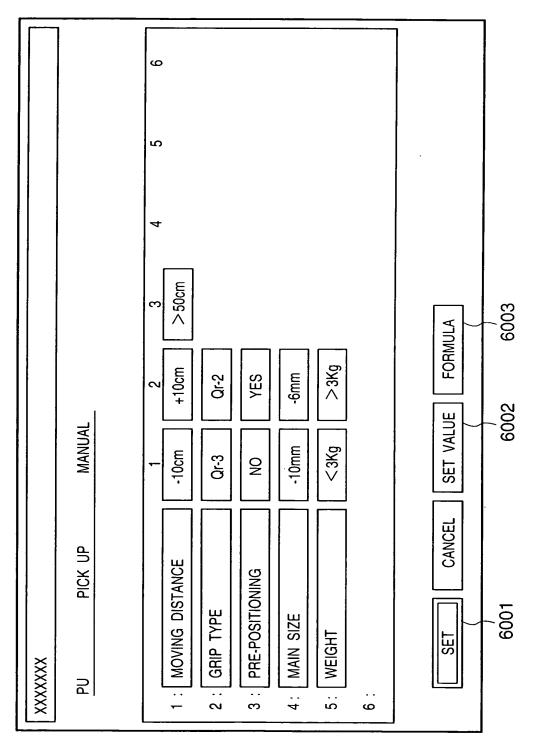
FIG. 58



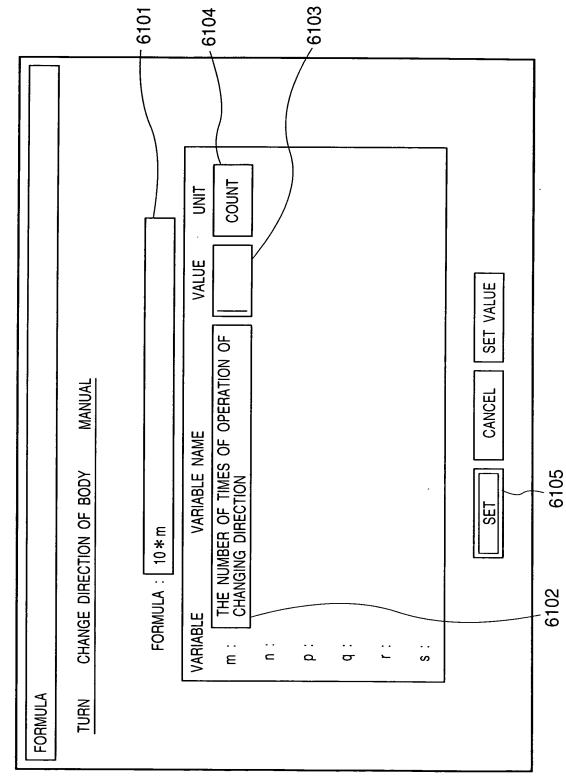


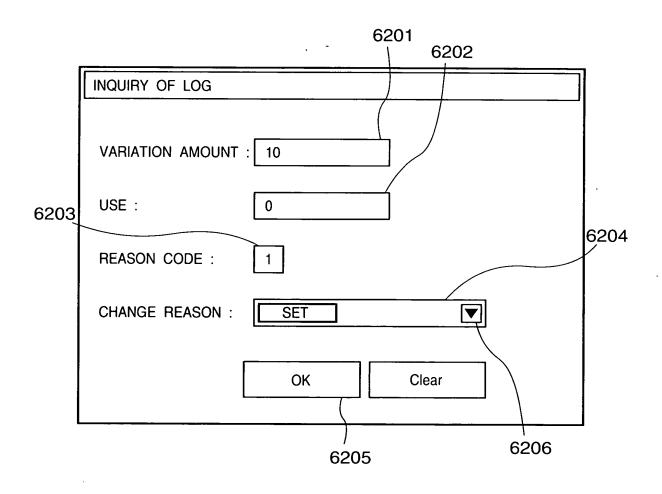
TOMOTO" BEGINAGO

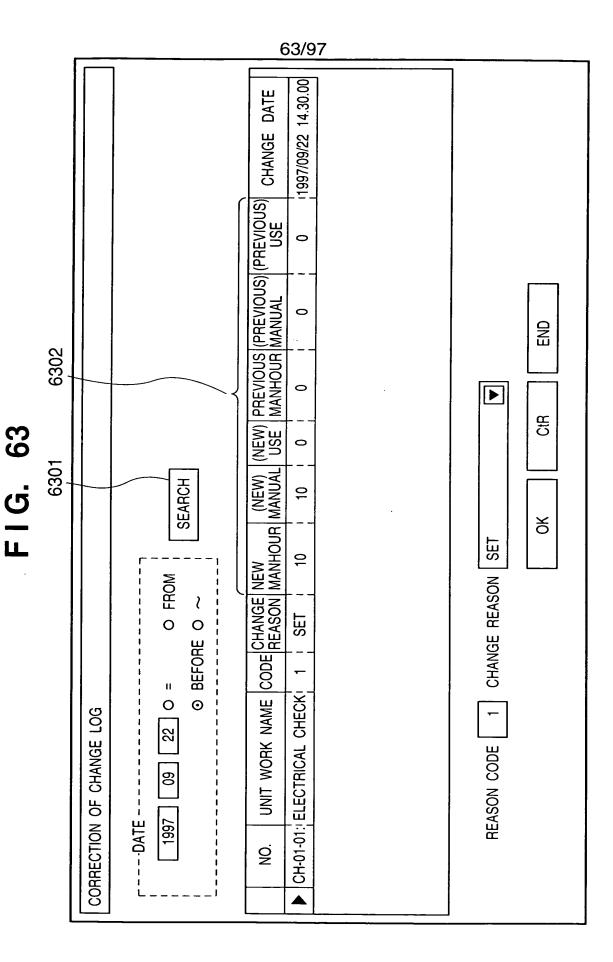
FIG. 60



F1G. 61

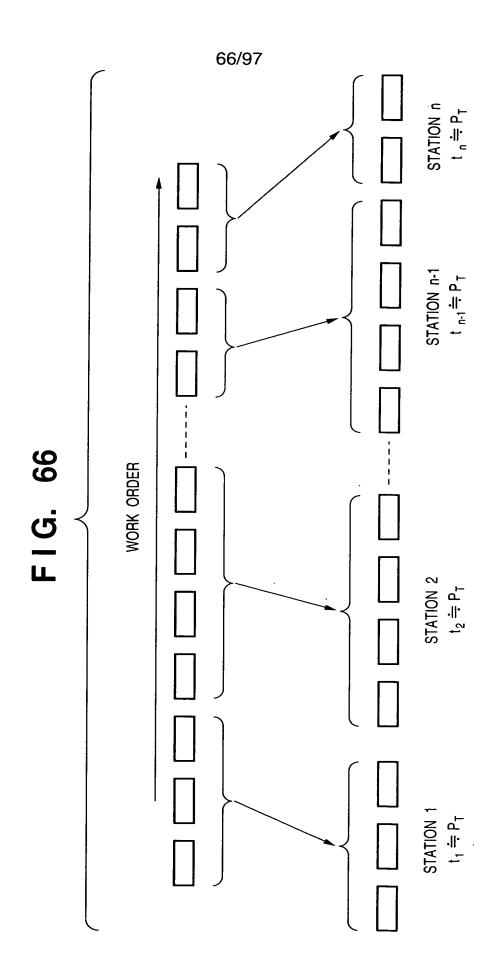






6400 COMPOSITION TABLE FILE · DETERMINATION OF COMPOSITION RANGE · REGISTRATION OF COMPOSITION RESULT 2802 · CORRECTION OF COMPOSITION WORK ASSIGNMENT SYSTEM · OUTPUT OF COMPOSITION · AUTOMATIC COMPOSITION FIG. 64 · DATA LOAD 3601 MANHOUR SETTING FILE 2801 STANDARD
MANHOUR SETTING
SYSTEM

WINDOW DISPLAY
OUTPUT CONSIDERING
PARALLEL OPERATION 6506 SIMPLE DIVISION WINDOW DISPLAY OUTPUT 6504 6505 **EXCEL OUTPUT** 6503 DIVISION CONDITION OUTPUT 6501 2802 FIG. 65 OPERATOR DATABASE WORK ASSIGNMENT SYSTEM COMPOSITION RANGE INPUT 6502 6400 COMPOSITION TABLE FILE



F1G. 67

-			SIMPLE DIVISION PARALLEL DIVISION
◀   ◀ ▶			
<b>•</b>		MANHOUR	134 550 270 365 268 117
FILE(F) EDIT(E) INPUT(I) TOOL(O)	GP55	WORK NAME	STICK HANDY CUT TAPE SET LABELS ON MAIN BODY WEIMAN REMOVAL ASSEMBLE OUTER CASE FIT TOP PAD STICK LARGE-SIDE ORDER LABEL
- FILE(F) EDIT(E	MODEL	STANDARD NO.	0002 0003 0004 0005 0006

#### SIMPLE DIVISION

			▼	▲
FILE(F) EC	DIT(E)			<b>\$</b>
St 1				
0001	STICK HANDY CUT TAPE	134		
0002	SET LABELS ON MAIN BODY	550		
0003	WEIMAN REMOVAL	270		
0003 St 2	WEIMAN REMOVAL	270		
	WEIMAN REMOVAL  ASSEMBLE OUTER CASE	270 365		
St 2				

FIG. 69

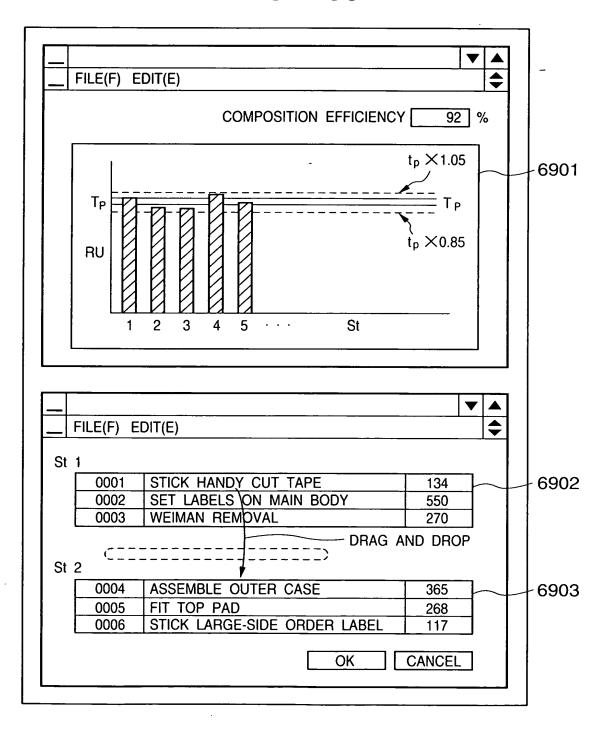
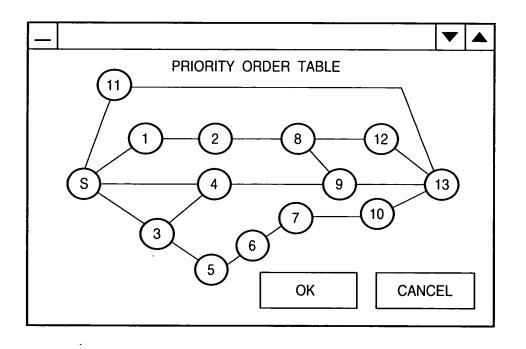
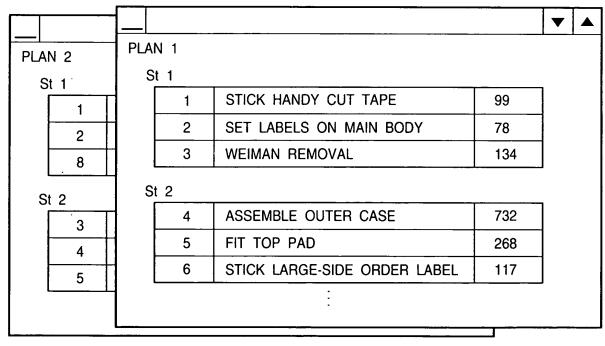
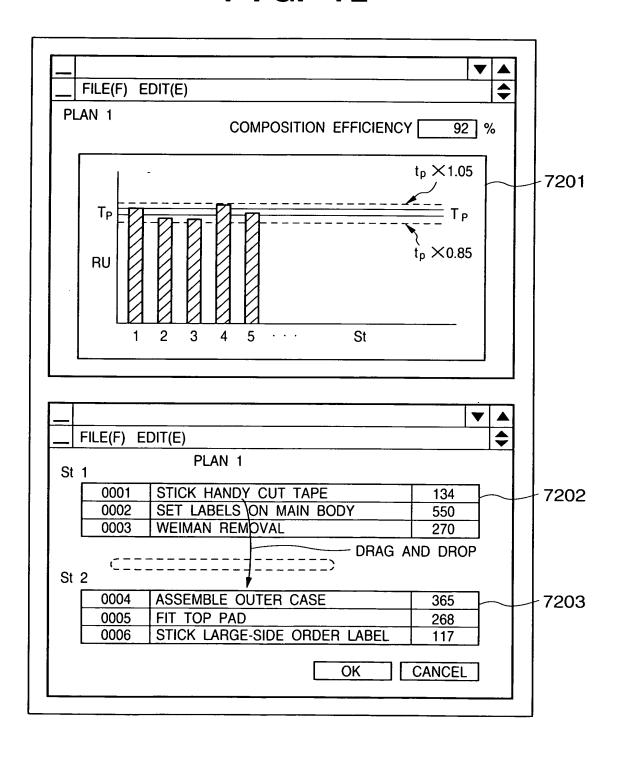


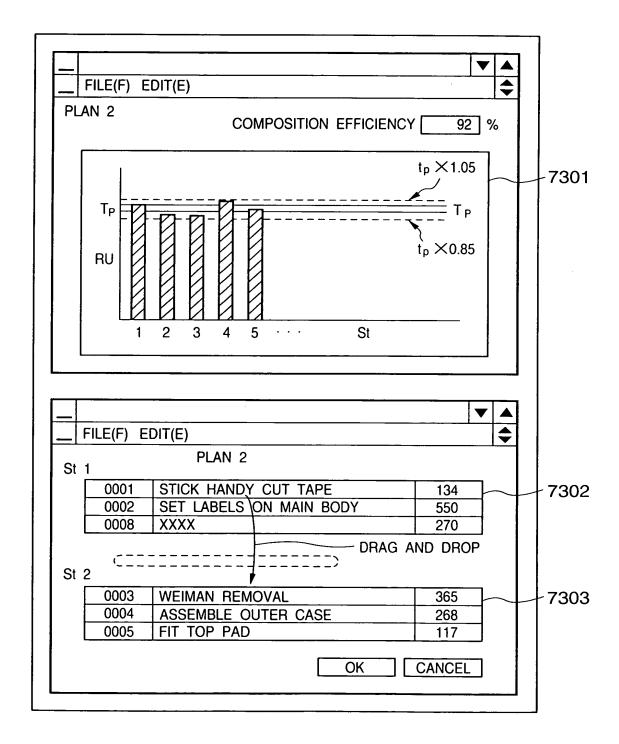
FIG. 70



#### PARALLEL DIVISION



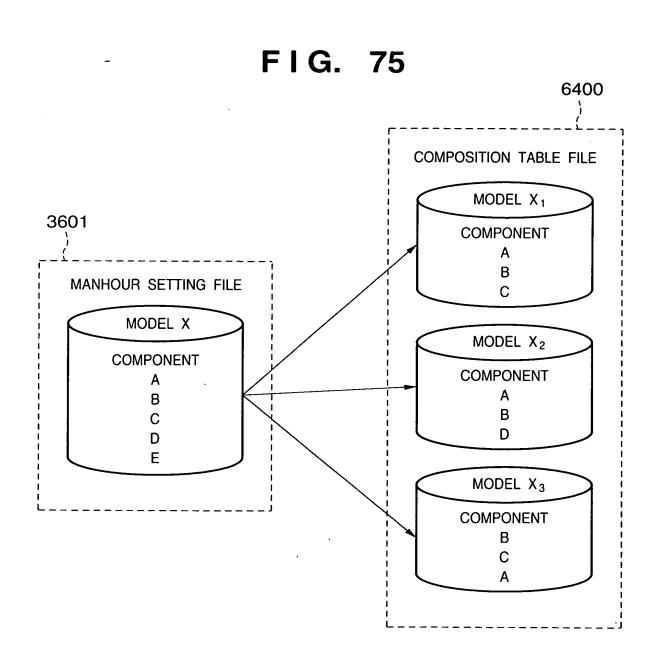




7409 CANCEL |COMPONENT |SYMBOL | COMPONENT NAME | ORDER 7408 乡 7407 COMPONENT 7403 7404 7405 7406 TARGET MODEL LOAD OF NEWLY COMPOSED DATA (MANHOUR) REPRESENTATIVE MODEL BJ FAX LBP NP STAND GENRE 7401 7402

X

FIG. 74



97/09/19 14:10:32 97/09/20 14:06:36 97/09/24 17:11:53 97/09/19 12:00:34 97/09/19 14:10:14 97/09/19 15:41:14 97709/20 14:16:58 97/10/13 17:54:57 97/09/19 13:27:17 SAVE DATE 7604 REVISION NUMBER 8 8 8 0 FIG. 76 7603 BJC-4300Aライン編成 BJC-4300Aライン編成 f12-0010Aライン編成 BJC-4300A ライン 編成 テストデータ(元) NAME O COMPOSITION DATA INPUT WINDOW テスト 7602 -SELECT WINDOW-TARGET MODEL f12-0010.csv f12-0010.csv f12-0010.csv BJC-4300 BJC-4300 BJC-4300 **BJC-4300 BJC-4300** OPEN FILE

7601

76/97

CANCEL

숭

O COMPOSITOR DATA CORRECTION WINDOW

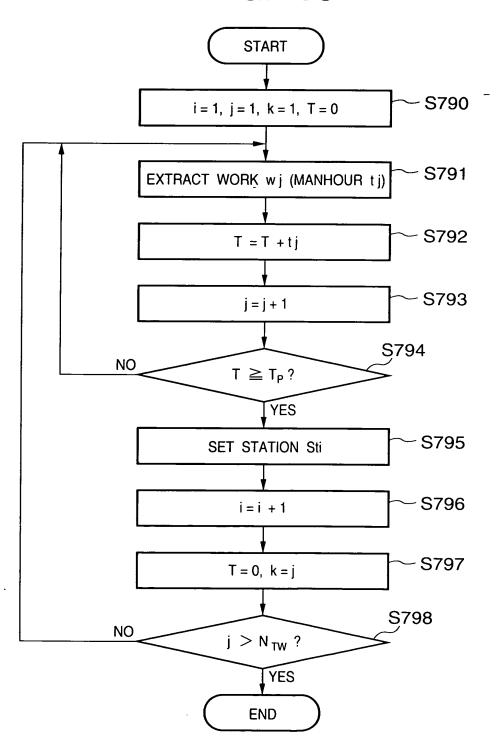
9092

7710	THE EXPECTED NUMBER OF PRODUCTS: 650 UNITS: THE NUMBER OF DEFECTIVE PRODUCTS: 650 UNITS: THE NUMBER OF DEFECTIVE PRODUCTS: 650 UNITS: THE NUMBER OF INTIAL PRODUCTS: 650 UNITS: THE NUMBER OF INTIAL PRODUCTS: 650 UNITS: NUMBER OF INTIAL PRODUCTS: 650 UNITS: NORMING TIME: 450 UTES: NORMING MEETING TIME: 5 UTES: NORMING MEETING TIME: 5 UTES: OPERABLE TIME: 6 UTES: OPERABLE TIME: 429 UTES: OPERABLE	7.20
77 F I G. 77 7702 7705 7703	The Ein Edition   Data   Da	

	INSERTION OF UNIT WORK	×
	NEW WORK WILL BE INSERTED BEFORE "STICK CHECK SHEET SERIAL NO."	
	INPUT WORK NAME AND PROVISIONAL MANHOUR VALUE	
7801	UNIT WORK NAME :	
	PROVISIONAL MANHOUR : (RU)	
7802	REMARKS :	
	OK CANCEL	

79/97

FIG. 79



X 回 I MA-CHINE UAL PF 85.8% OPERATOR 5 🔻 8007 % 94.92 000 8 900 8 PROVI-SIONAL MANHOUR COMPOSITION EFFICIENCY NET COMPOSITION EFFICIENCY TOTAL 565 (RU) OPERATOR 5 UNIT 250 င္တ ន ន જ ¥ 88 147 UNIT NAMEU22 UNIT NAMEU23 NAMEU25 1 UNIT NAMEU26 UNIT NAMEU27 UNIT NAMEu21 WORK 33 PF 90.3% OPERATOR 4 💌 REMARKS WAN VA 1 0006 MA-CHINE 900 - 000 L - 1 900 8 8 900 PROVI-SIONAL MANHOUR MEANS MA- PROVISIONAL MEANS CHINE MANHOUR 0 TOTAL 596 (RU) OPERATOR 4 UNIT 33 UNIT 72 UNIT 72 UNIT 35 NAMEU15 UNIT 56
NAMEU16
UNIT
NAMEU17 150
UNIT
UNIT
NAMEU17 16 UNIT - - - - NAMEu19 250 ¥ COMPOSITION MODE: PRIORITY ORDER SCHEME WORK NAME MA: MAN-CHINE UAL PF 86.8% OPERATOR 3 ▼ 006 | 9000 9000 8 ¥ PROVI-SIONAL MANHOUR TOTAL 566 (RU) OPERATOR 3 UNIT 1441
UNIT 161
UNIT 161
UNIT 161
NAMEU10 293
UNIT 293
UNIT 133 ¥ WORK NAME WORK NAME **UNIT NAMEa1** PF 92.3% OPERATOR 2 🔻 MAN-UAL PROVI-SIONAL MANHOUR CHINE U 282 525 9000 0006 8 i UNIT 35 0 900

NAMELA 35 0 900

UNIT 0001 xxx LOCK

UNIT 0002 MIRROH SPRING

ATTACHMENT

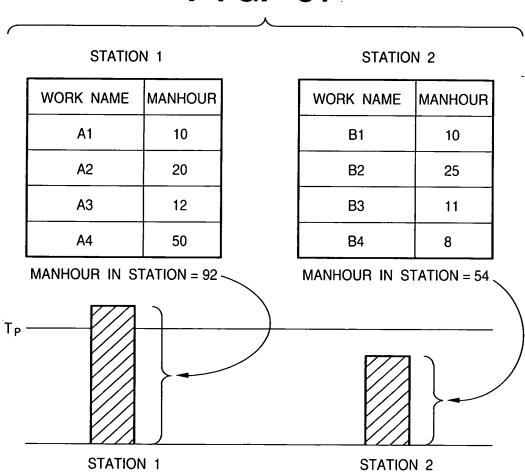
0002 MIRROH SPRING

ATTACHMENT

ATTACHMENT G STANDARD NO. TOTAL 609 (RU) OPERATOR 2 UNIT NAMEu3 156 UNIT NAMEU1 63 UNIT NAMEu2 30 ¥ FILE(E) EDIT(E) VIEW(<u>D)</u> TOOL(<u>T</u> WORK Ī 딿 ----tp ----tp\*1.05 ----tp\*0.85 PF 105.0% OPERATOR 1 MA- MAN-CHINE UAL XXXX XXXX XXXX DELETE STATION XXXX 8 9006 900 PROVI-SIONAL MANHOUR CLEAR(V) xxxx xxxx TOTAL 693 (RU) OPERATOR 1 UNIT NAMEa1 5/9 LUNIT 54 I NAMEA2 54 I UNIT 10 I UNIT 50 I NAMEA4 ¥ WORK NAME 뚪 8008 1 8002 8003 8004 8005 9008 6008

FIG. 80

FIG. 81.



# WORK NAME MANHOUR A1 10 A2 20 A3 12 A4 - 1 25

25

A4 - 2

STATION 1

WORK NAME	MANHOUR	
B1	10	
B2	25	
B3	11	
B4	8	

STATION 2

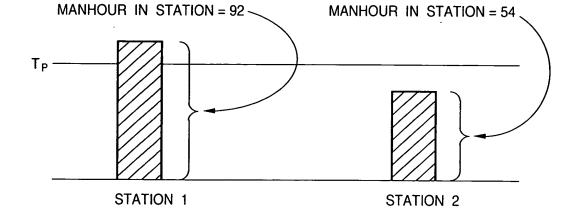
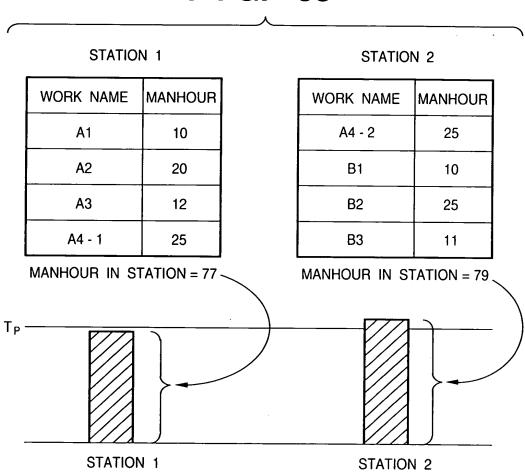


FIG. 83



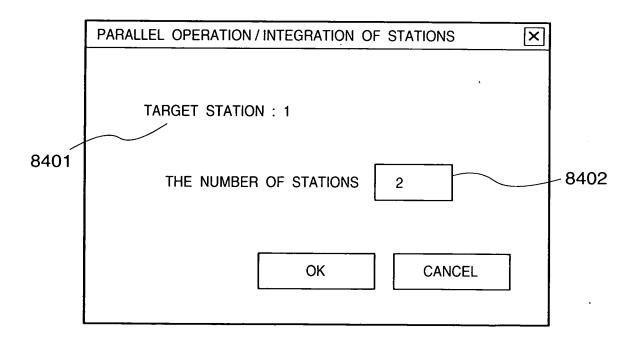
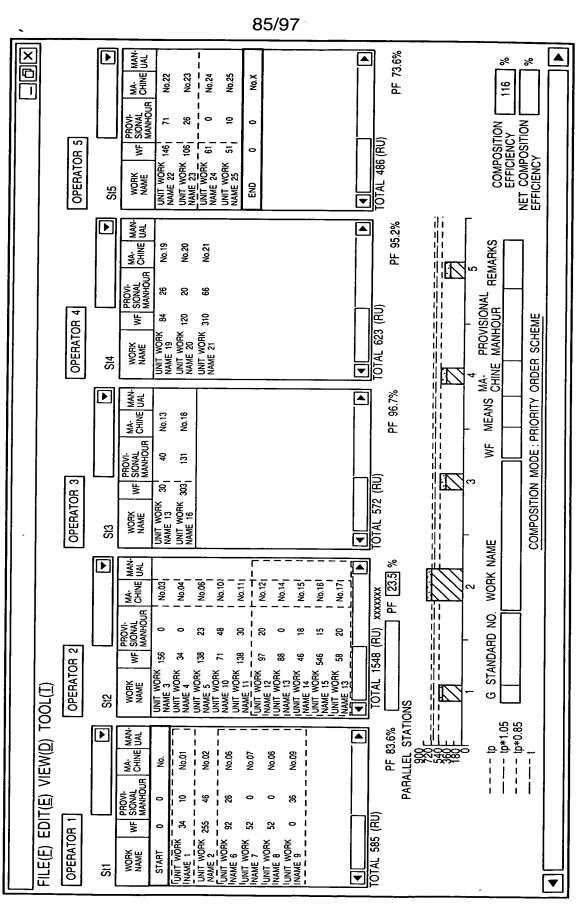
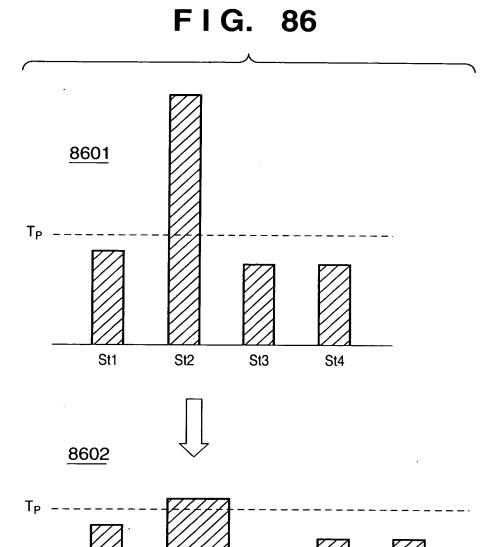


FIG. 85





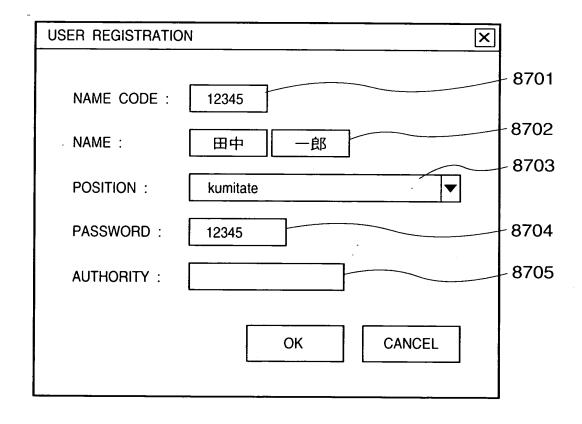
St1

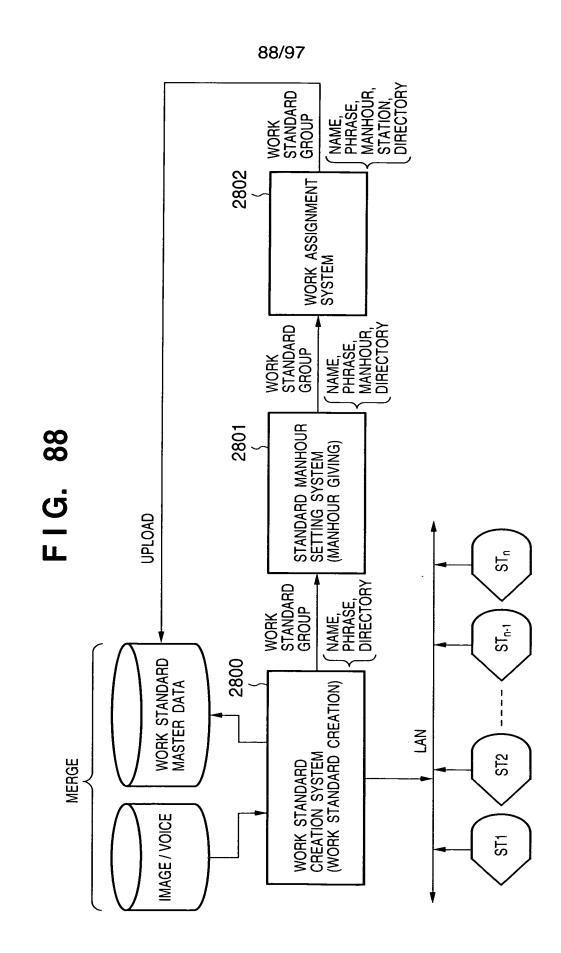
St2

St3

St4

FIG. 87

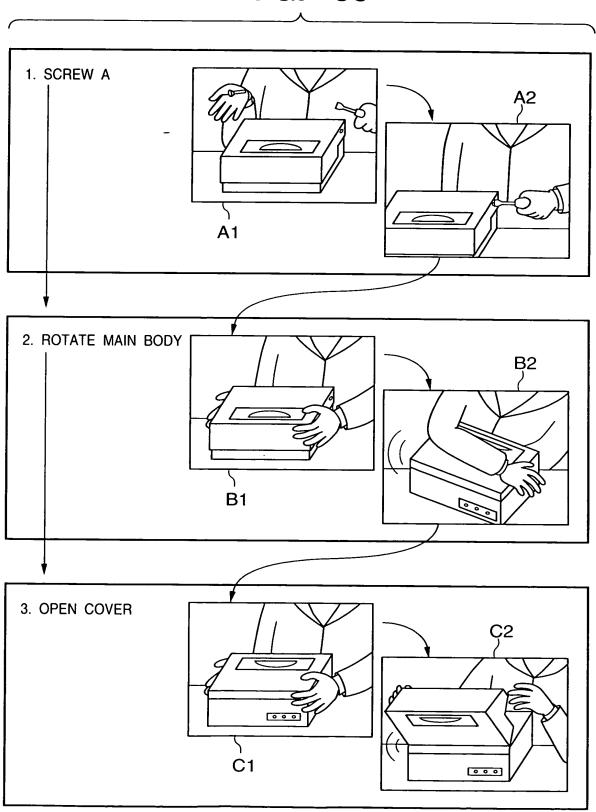




DIRECTORY NAME IMAGE DATA	IMAGE DATA	OPERATION (VERB)	PARAMETER 1	PARAMETER 2	PARAMETER 3
xxxxx1	SCREW	SCREW	SCREW CLOCKWISE	SCREW CLOCKWISE DISTANCE MOVEMENT 10mm	TORQUE 10Kg.M
xxxxx2	SCREW	SCREW	SCREW CLOCKWISE	SCREW CLOCKWISE DISTANCE MOVEMENT 20mm	TORQUE 20Kg.M
xxxxxx3	SCREW	SCREW	SCREW CLOCKWISE	DISTANCE MOVEMENT 20mm	TORQUE 30Kg.M
:	:	÷			
уууууу1	ROTATE	ROTATE	CLOCKWISE	DISTANCE MOVEMENT 20mm	
уууууу2	ROTATE	ROTATE	COUNTERCLOCKWISE	COUNTERCLOCKWISE DISTANCE MOVEMENT 20mm	
:	:		:		
122222	OPEN	OPEN	OPEN UPWARD	DISTANCE MOVEMENT 30mm	WEIGHT 100g
222222	OPEN	OPEN	OPEN DOWNWARD	DISTANCE MOVEMENT 40mm	WEIGHT 200g
	:	:			:

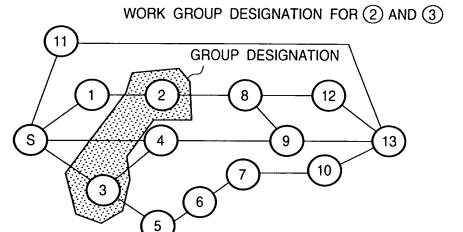
90/97

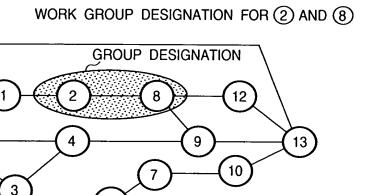
FIG. 90



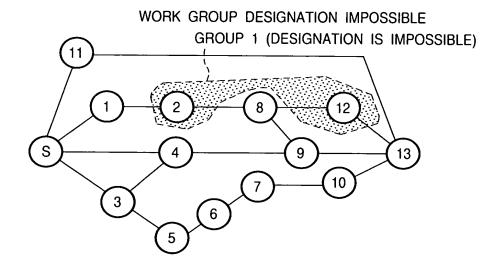
	9101	9102
SETTING OF COMPONENT SYMBOL		
PRODUCT SYMBOL : BJ-970909  COMPONENT SYMBOL : CH		
COMPONENT NAME : CHECK		
OK SEARCH COMPON	IENT (	CANCEL

FIG. 92



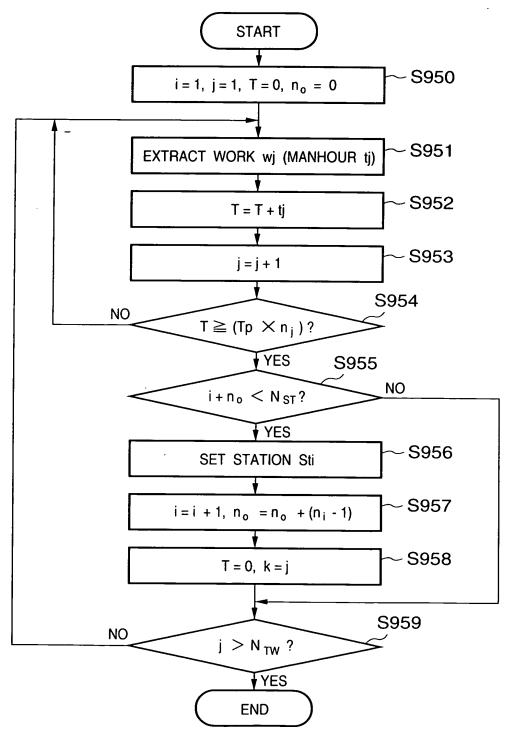












N<sub>ST</sub>: THE NUMBER OF STATIONS n; : i STATION PARALLEL NUMBER  ${\tt n_o}$  : TOTAL ACCUMULATED PARALLEL SUM NUMBER



### 96/97 FIG. 96 START -S960 i = 1, j = 1, k = 1, Ti = 0, To = 0, $n_o = 0$ - S961 EXTRACT WORK wj (MANHOUR tj) S962 $T_i = T_i + tj$ S963 $T_0 = T_0 + tj$ ∽ S964 j = j + 1S965 NO $T_o > (T_A \times (i + n_o))$ ? YES S965 SET STATION Sti S966 i = i + 1, $n_0 = n_0 + (n_i - 1)$ - S967 k = jS968 NO $j > N_{TW}$ ? YES **END**

N<sub>ST</sub>: THE NUMBER OF STATIONS

Ti: i STATION MANHOUR

TA: STATION MANHOUR AVERAGE VALUE

 $T_A = WF/N_{ST}$ 

To: TOTAL ACCUMULATED MANHOUR

n;: i STATION PARALLEL NUMBER

no: TOTAL ACCUMULATED PARALLEL

SUM NUMBER

FIG. 97

